## (19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 23 December 2004 (23.12.2004)

**PCT** 

## (10) International Publication Number WO 2004/110548 A1

(51) International Patent Classification<sup>7</sup>:

A61M 39/06

(21) International Application Number:

PCT/DK2004/000424

(22) International Filing Date: 17 June 2004 (17.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PA 2003 00896 17 June 2003 (17.06.2003) ÐΚ 60/478,832 17 June 2003 (17.06.2003) US DK PA 2003 01205 22 August 2003 (22.08.2003) 22 August 2003 (22.08.2003) 60/496,910 US

(71) Applicant (for all designated States except US): CUBE MEDICAL A/S [DK/DK]; Langebjerg 2, DK-4000 Roskilde (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ANDERSEN, Erik [DK/DK]; Rønnens Kvarter 5, Osted, DK-4000 Roskilde (DK). BIRK PEDERSEN, Finn [DK/DK]; Dyrehavegårdsvej 26, DK-3660 Stenløse (DK).

(74) Agent: INSPICOS A/S; Bøge Allé 5, P.O. Box 45, DK-2970 Hørsholm (DK).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

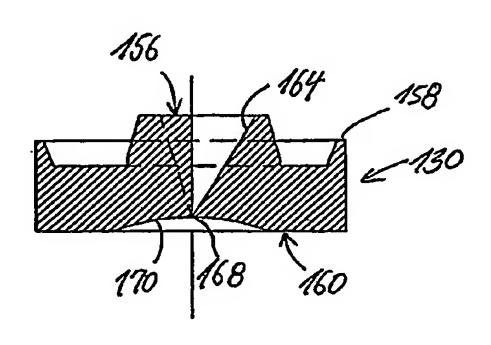
## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CLOSURE WITH PASSAGE SLIT FOR A HAEMOSTATIC VALVE ASSEMBLY

A-A



(57) Abstract: A closure for a valve (128) of a connector (100) of a haemostatic valve assembly comprises a resilient closure member (130), which defines a first and a second, opposite end surface (156; 160) and at least one passage slit (164). The passage slit is normally closed and extends between the two end surfaces, the passage slit being arranged to open by a tubular member (134) being extended therethrough, the passage slit (164) having a wider extent at the first surface than at the second surface. A plurality of such passage slits (164) may define a first, common point of contact (166) on the first surface (156) and may extend radially outwardly from the point of contact (166) at the first surface (156).

WO 2004/110548 A1